

WHAT IS CLAIMED IS:

1. An aqueous dispersion of polyester resin having an acid value of 8 to 40 mg KOH/g and a weight average molecular weight of 9,000 or more, wherein the aqueous dispersion contains an organic solvent less than 0.5% by mass.

2. An aqueous dispersion of polyester resin according to Claim 1, wherein the polyester resin contains 70% by mole or more of aromatic polybasic acid as a constituent acid component.

3. An aqueous dispersion of polyester resin according to either Claim 1 or Claim 2, wherein the polyester resin contains mainly neopentyl glycol and ethylene glycol as constituent alcohol components.

4. An aqueous dispersion of polyester resin according to either Claim 1 or Claim 2, wherein the polyester resin contains mainly 1,2-propanediol and ethylene glycol as constituent alcohol components.

5. A method for producing the aqueous dispersion of polyester resin according to Claim 1 comprising at first a step of obtaining an aqueous dispersion of polyester resin containing not lower than 0.5% by mass of an organic solvent by adding the polyester resin and a basic compound to an aqueous medium to make the resulting mixture aqueous and then a step of removing the organic solvent from the aqueous dispersion.

6. A method for producing the aqueous dispersion of

polyester resin according to Claim 2 comprising at first a step of obtaining an aqueous dispersion of polyester resin containing not lower than 0.5% by mass of an organic solvent by adding the polyester resin and a basic compound to an aqueous medium to make the resulting mixture aqueous and then a step of removing the organic solvent from the aqueous dispersion.

7. A method for producing the aqueous dispersion of polyester resin according to Claim 3 comprising at first a step of obtaining an aqueous dispersion of polyester resin containing not lower than 0.5% by mass of an organic solvent by adding the polyester resin and a basic compound to an aqueous medium to make the resulting mixture aqueous and then a step of removing the organic solvent from the aqueous dispersion.

8. A method for producing the aqueous dispersion of polyester resin according to Claim 4 comprising at first a step of obtaining an aqueous dispersion of polyester resin containing not lower than 0.5% by mass of an organic solvent by adding the polyester resin and a basic compound to an aqueous medium to make the resulting mixture aqueous and then a step of removing the organic solvent from the aqueous dispersion.

9. An aqueous coating composition being obtained by adding a curing agent to the aqueous dispersion of polyester resin according to Claim 1.

10. An aqueous coating composition being obtained by adding a curing agent to the aqueous dispersion of

polyester resin according to Claim 2.

11. An aqueous coating composition being obtained by adding a curing agent to the aqueous dispersion of polyester resin according to Claim 3.

12. An aqueous coating composition being obtained by adding a curing agent to the aqueous dispersion of polyester resin according to Claim 4.

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